

CLAIMS

1. Device for measuring the enzymatic activity of a solid feed sample, characterized in that it comprises a container designed to contain the test sample, a reagent specific for the enzyme whose activity it is desired to measure and a buffer for dissolving the said enzyme.

2. Device according to claim 1,
10 characterized in that the test sample is a solid feed,
which is preferably untreated.

3. Device according to claim ~~1 or 2,~~
characterized in that the said container is a single-
use graduated column or tube fitted with a leakproof
opening and closure system.

4. Device according to claim 3,
characterized in that the said container comprises a
cleavable protuberance at its base, allowing the liquid
part of its contents to flow out.

20 5. Device according to ~~any one of claims 1~~
to 4, characterized in that the reagent is the
substrate for the enzyme linked to a chromophore.

6. Device according to ~~any one of claims 1~~¹ ~~to 5~~, characterized in that the reagent is in solid or
25 liquid form.

7. Device according to claim 1,
characterized in that the buffer used to measure the

activity of the enzyme is chosen from acetic acid/sodium acetate; glycine hydrochloride/glycine; aconitic acid/sodium hydroxide; formic acid/sodium formate buffers.

- 5 8. Use of the device according to claim 1, to measure enzymatic activity quantitatively, characterized in that the coloration obtained is compared with a standard curve.

- Sub B2* 9. Process for measuring the enzymatic
10 activity of a feed, characterized in that 10 ml of sample whose enzymatic activity it is desired to measure are introduced into the device according to *claim 1* claims 1 to 5, reagent in the form of a solid bead is introduced; specific buffer is introduced up to the
15 20 ml graduation mark; after closure of the column with the stopper, the column is shaken vigorously several times; the liquid phase is separated from the solid phase, the liquid phase is recovered and the intensity of the coloration is measured by comparison with a
20 colour scale.

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